

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001120

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F17/00 A61B5/0488

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, COMPENDEX, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MCKEOWN M J ET AL: "Phasic and tonic coupling between EEG and EMG demonstrated with independent component analysis" JOURNAL OF CLINICAL NEUROPHYSIOLOGY 2001 UNITED STATES, vol. 18, no. 1, 2001, pages 45-57, XP008032594 ISSN: 0736-0258	1, 3, 4, 10, 12, 13
Y	* Independent Component Analysis p. 47 * * Data Collection p. 48 - 49 * page 55, right-hand column, line 37 - line 52  -----	5, 14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*&\* document member of the same patent family

Date of the actual completion of the International search

8 July 2004

Date of mailing of the International search report

26/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Trachterna, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CICHOCKI ANDRZEJ ET AL: "Blind separation and filtering using state space models"          PROC IEEE INT SYMP CIRCUITS SYST;          PROCEEDINGS - IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS 1999 IEEE,          PISCATAWAY, NJ, USA,          vol. 5, 1999, pages V78-V81, XP002287269          * Abstract *          * 1. Introduction p. V-78 *          * 2. Linear Demixing State Space Models p.          V-78 - V-79 *</p> <p>-----</p>	5,14
X	<p>AZZERBONI B, FINOCCHIO G, IPSALE M, LA FORESTA F, MORABITO FC: "A New Approach to Detection of Muscle Activation by Independent Component Analysis and Wavelet Transform"          LECTURE NOTES IN COMPUTER SCIENCE, NEURAL NETS-13TH ITALIAN WORKSHOP ON NEURAL NETS, WIRN VIETRI 2002,          vol. 2486, June 2002 (2002-06), pages 109-116, XP002287268          SPRINGER-VERLAG BERLIN HEIDELBERG          ISSN: 0302-9743          * Abstract *          * 3. Surface EMG Processing p. 111-112 *</p> <p>-----</p>	1,3,4, 10,12,13
X	<p>WO 02/096288 A (REPRODUCTIVE HEALTH TECHNOLOGI) 5 December 2002 (2002-12-05)          cited in the application          page 4, line 19 - line 23          page 13, line 3 - line 29          page 26, line 15 - line 23</p> <p>-----</p>	1,8-10, 17,18
X	<p>US 5 483 970 A (ROSENBERG ETHAN) 16 January 1996 (1996-01-16)          column 6, line 30 - column 7, line 58          column 9, line 44 - column 10, line 6;          figures 1e,1f</p> <p>-----</p>	1,2,6-8, 10,11, 15-17

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001120

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 02096288	A	05-12-2002	WO US	02096288 A1 2002193670 A1		05-12-2002 19-12-2002
US 5483970	A	16-01-1996	US AU AU CA CN EP IL JP MX NZ WO	5301680 A 679017 B2 5608994 A 2149672 A1 1088422 A 0673226 A1 107655 A 8504342 T 9307763 A1 258425 A 9413202 A1		12-04-1994 19-06-1997 04-07-1994 23-06-1994 29-06-1994 27-09-1995 18-02-1997 14-05-1996 29-07-1994 28-10-1996 23-06-1994